

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/714142
		Filing Date	11/14/03
		First Named Inventor	ROBERT EDWARD WILLIAMS
		Art Unit	2857
		Examiner Name	ANTHONY GUTIERREZ
Sheet	1	of	3
		Attorney Docket Number	

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
AG		US-2,393,676	01-29-1946	FULLER	
AG		US-3,276,148	10-04-1966	SNELSON	
AG		US-4,094,339	07-11-1978	SNELSON	
AG		US-4,628,014	11-11-1986	MIKELSDORF	
AG		US-4,679,361	07-14-1987	YACOB	
AG		US-4,970,793	11-20-1990	ADAMIAN	
AG		US-5,228,896	06-29-1993	SMITH, JR.	
AG		US-5,947,745	09-07-1999	TEMPERLEMAN	
AG		US-6,385,518	05-07-2002	BEUBRUNG	
AG		US-6,433,754	08-13-2002	ROERINGER	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	<i>Anthony Gutierrez</i>	Date Considered	7/28/05
-----------------------	--------------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

BEST AVAILABLE COPY

C1052
Sub
C1482

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

3

Complete if Known

Application Number

10/714142

Filing Date

11/14/03

First Named Inventor

ROBERT EDWARD WILLIAMS

Art Unit

2857

Examiner Name

AMY GUTERREZ

Attorney Docket Number

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AG		THOMPSON, W. "ON THE DIVISION OF SPACE..." LONDON, EDINBURGH & DUBLIN PHIL. MAG. & JOUR. SCI. V 24, PP. 503-519, 1887 ENGLAND	
AG		THOMPSON, D.W. ON GROWTH AND FORM. CAMBRIDGE: UNIVERSITY PRESS, 1944, PP 356-7; 516-7; 550-6.	
AG		FEYNMAN, R.P. THE FEYNMAN LECTURES ON PHYSICS. ADDISON-WESLEY, 1963, PP. 10-1 TO 10-9	
AG		HALL, E.T. THE HIDDEN DIMENSION NEW YORK: DOUBLEDAY, 1966 PP 109-171	
		ISENBERG, E. SCIENCE OF SOAP FILMS & SOAP BUBBLES NEW YORK: DOVER, 1967, PP 107-113	
AG		GORDON, A.J., "A SURVEY OF ATOMIC & MOLECULAR MODELS" J. CHEM. EDUC. V.1, NO. 1, 1/70, PP. 30-32	
AG		ERECLESSI, F. "THE LENNARD-JONES POTENTIAL" HTTP://WWW.FISLA.UNIUD.IT, 1997	
AG		TURNER, M.S. "COSMOLOGY SOLVED? MAYBE" YAMADA CONF XLIX: BLACK HOLES & HIGH ENERGY ASTROPHYSICS, 1998	
AG		POGOSON, L. & VUCHASPATI. "RELAXING THE GEODESIC RULE IN DEFECT FORMATION ANALYSIS" JOUR-REF: PHYS. LETT B 423, 1998, PP. 1-3	
AG		MOON, W.S., ET AL. "LOW ENERGY TRANSFER TO THE MOON CELESTIAL MECHANICS & DYNAMICAL ASTRONOMY BT: 2001, PP 63-73	

Examiner Signature

Anthony Gutierrez

Date

Considered

7/28/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

BEST AVAILABLE COPY

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete If Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/714/42		
		Filing Date	11/14/03		
		First Named Inventor	ROBERT EDWARD WILLIAMS		
		Art Unit	2857		
		Examiner Name	ANTHONY GUTIERREZ		
Sheet	3	of	3	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
AG		SATAKE M. "MICRO-MECHANICAL DEFINITION OF STRAIN TENSOR FOR GRANULAR ASSEMBLIES" 15TH ASCE ENGINEERING MECHANICS CONFERENCE 6/25, 2002 PP. 1-8
AG		"COSMIC MICROWAVE BACKGROUND," HTTP://WWW.CNIB.PHYSICS.WISC.EDU/TUTORIAL/CMB.HTML
AG		SONG, LIAN, ET AL. "DEVELOPING AN EQUAL AREA GLOBAL GRID BY SMALL CIRCLE SUBDIVISION," DISCRETE GLOBAL GRIDS, SANTA BARBARA, NAT. CTR. FOR GEODETIC INFORMATION & ANALYSIS, 2002, PP. 1-8.
AG		CORNISH, N. "THE LAGRANGE POINTS" HTTP://WWW.PHYSICS.MONTANA.EDU/FACULTY/CORNISH/LAGRANGE.PDF

Examiner Signature	<i>Anthony Gutierrez</i>	Date Considered	11/16/05
--------------------	--------------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and no considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comment on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO : Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

BEST AVAILABLE COPY